

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054599.D
 Acq On : 23 Mar 2019 12:47
 Operator : JC/SP
 Sample : K1912-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20190313

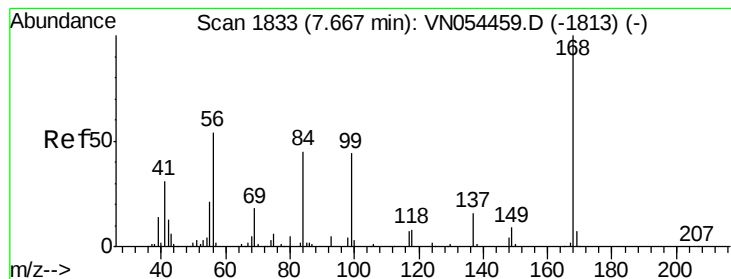
Quant Time: Mar 25 03:29:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	654743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	985925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	813478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	425582	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
35) Dibromofluoromethane	7.59	113	328370	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.09	98	1257437	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.40	95	378178	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	461	0.678	ug/l	99
16) Acetone	3.82	43	845	0.345	ug/l #	38
31) Cyclohexane	7.66	56	13211	Below Cal	#	7
36) 1,1-Dichloropropene	7.66	75	46954	5.093	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57522	6.421	ug/l #	16
49) 1,4-Dioxane	9.01	88	34	0.506	ug/l #	1
53) t-1,3-Dichloropropene	10.10	75	321	2.265	ug/l #	6
71) Bromoform	12.39	173	858	2.421	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	195344	44.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	195344	145.986	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

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ClientSampleId :

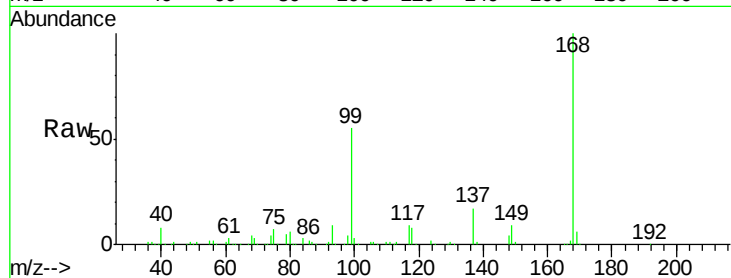
TB-20190313

Tot Ion:168 Resp: 654743

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

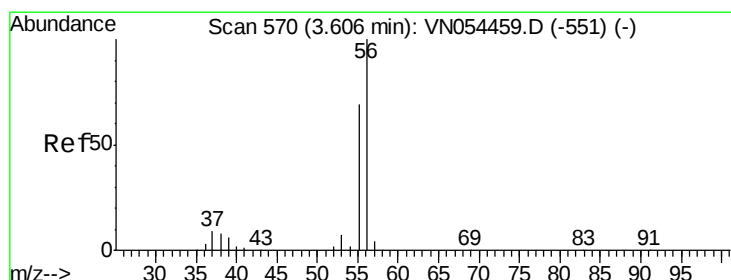
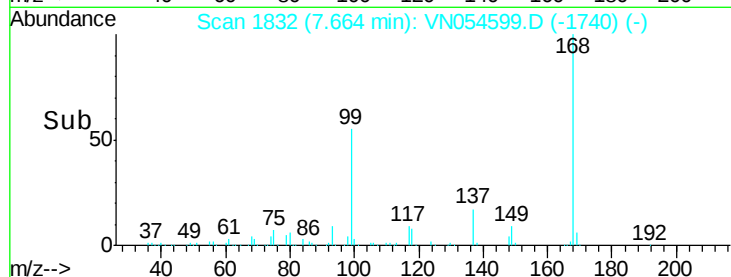
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.678 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054599.D

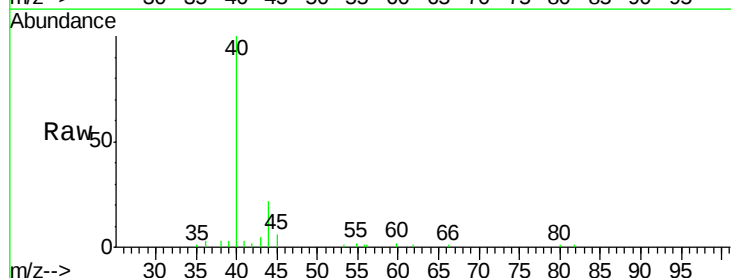
Acq: 23 Mar 2019 12:47

Tgt Ion: 56 Resp: 461

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

400

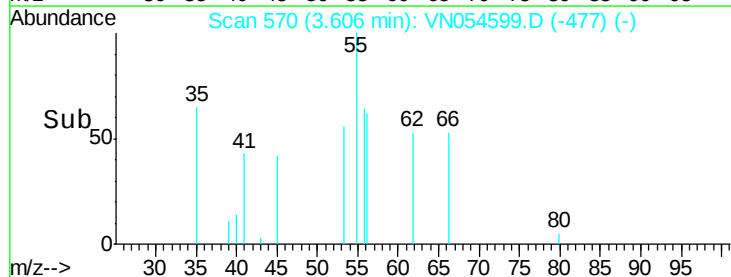
300

200

100

0

Time-->





#16

Acetone

Concen: 0.345 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

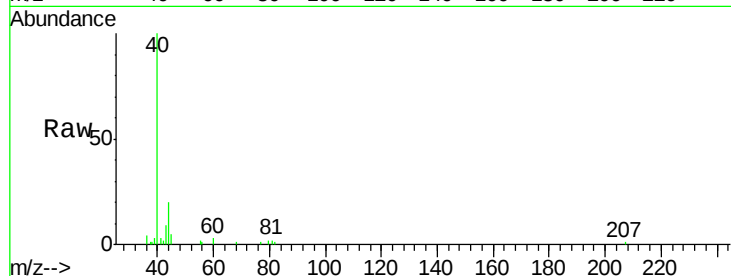
TB-20190313

Tot Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

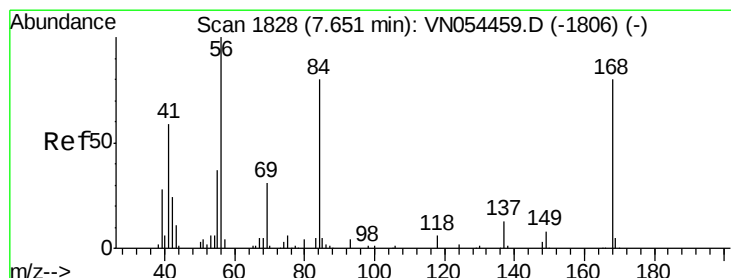
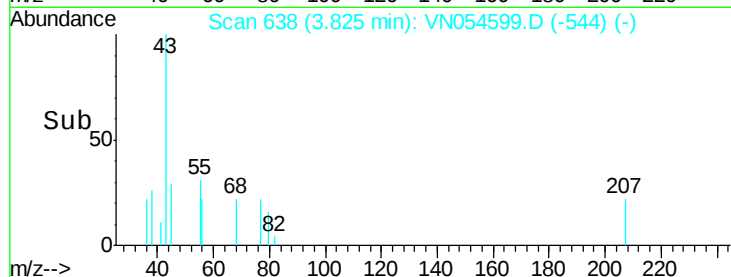
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

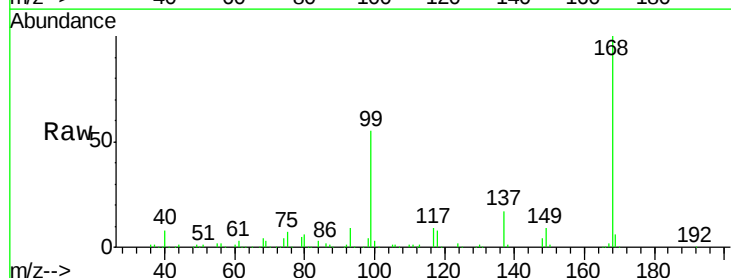
Tgt Ion: 56 Resp: 13211

Ion Ratio Lower Upper

56 100

69 167.3 27.8 41.6#

84 133.4 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

12000

10000

8000

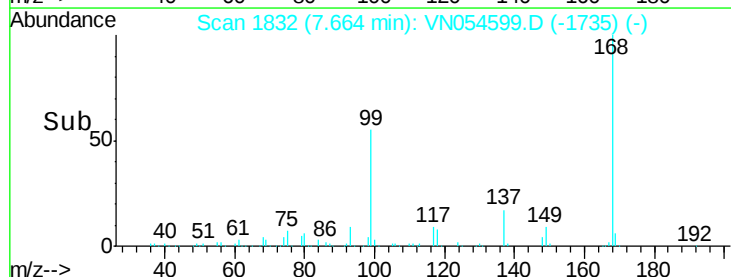
6000

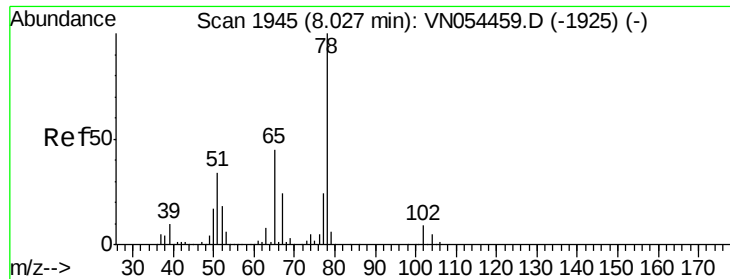
4000

2000

0

Time-->

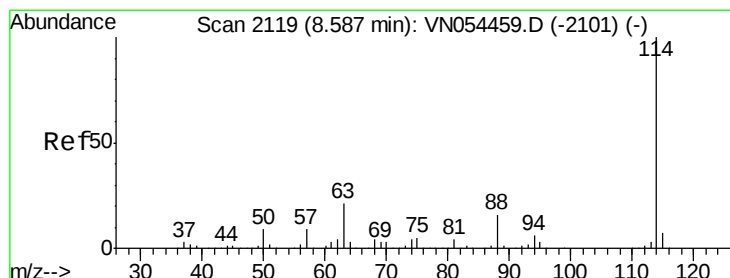
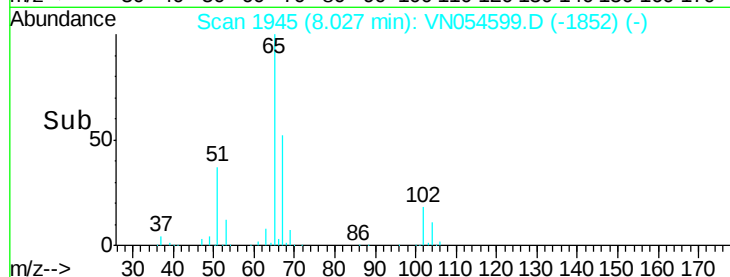
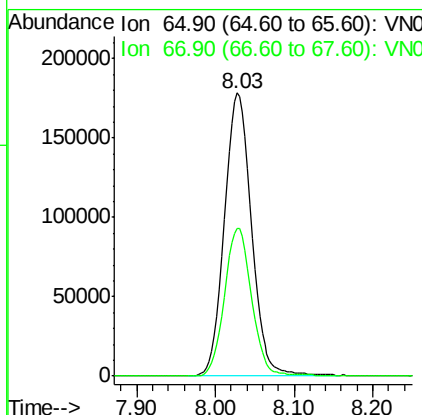
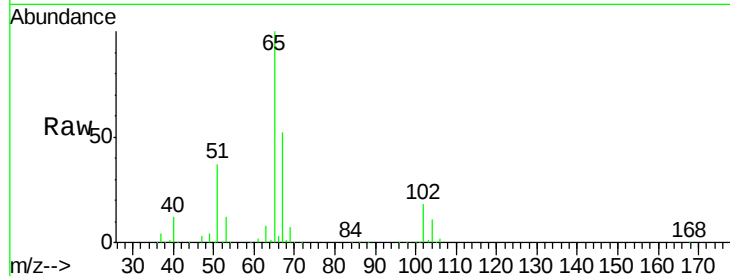




#33
 1,2-Dichloroethane-d4
 Concen: 52.257 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054599.D
 Acq: 23 Mar 2019 12:47

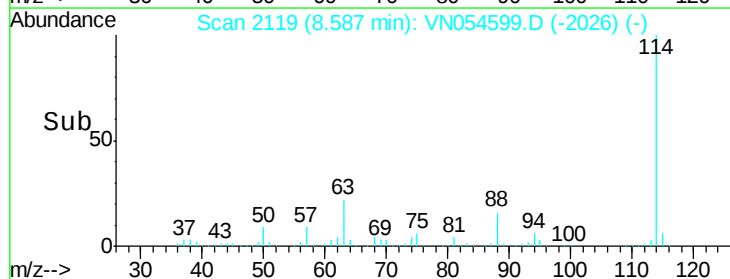
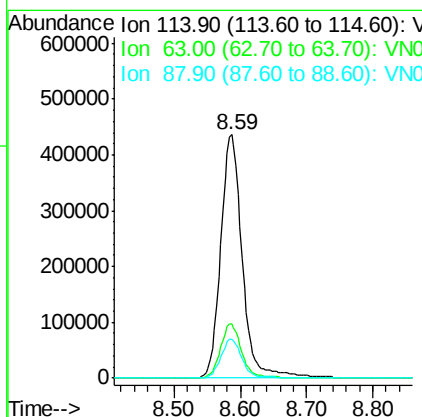
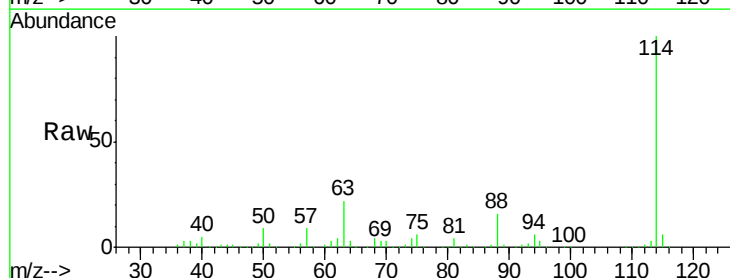
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20190313

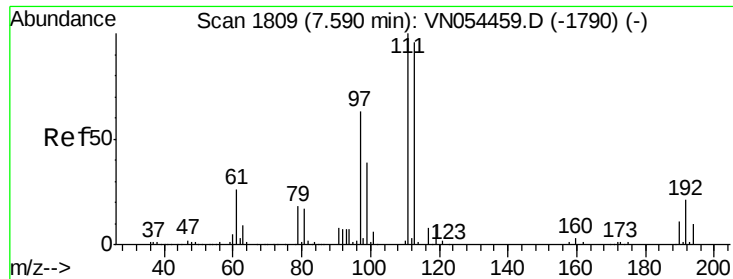
Tot Ion: 65 Resp: 425582
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054599.D
 Acq: 23 Mar 2019 12:47

Tgt Ion: 114 Resp: 985925
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.9 0.0 30.2

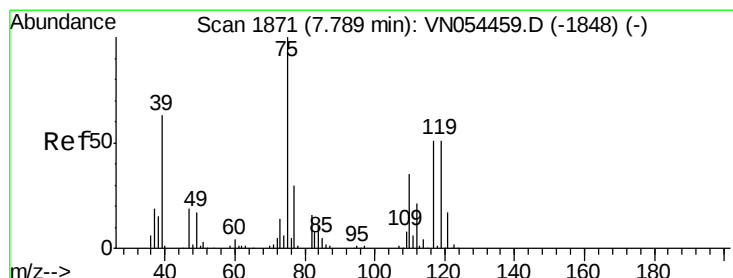
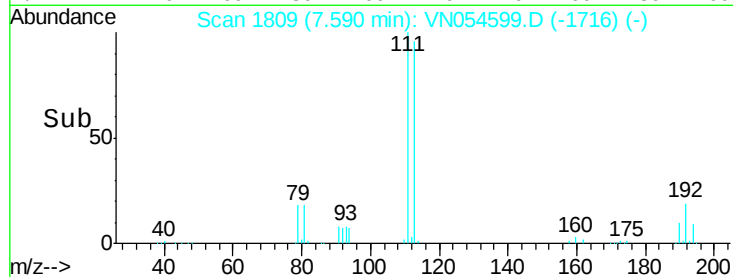
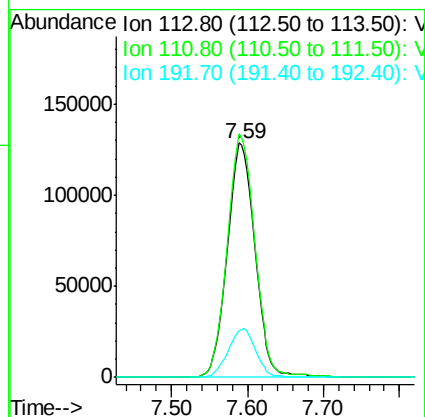
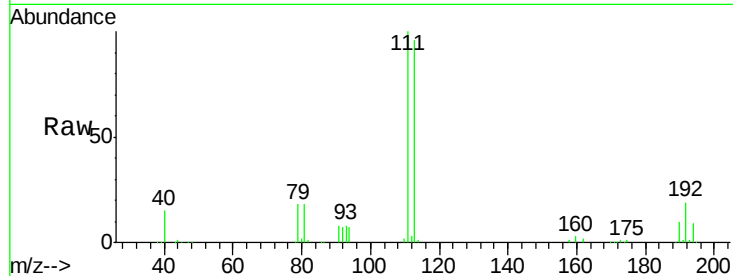




#35
 Dibromofluoromethane
 Concen: 51.697 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054599.D
 Acq: 23 Mar 2019 12:47

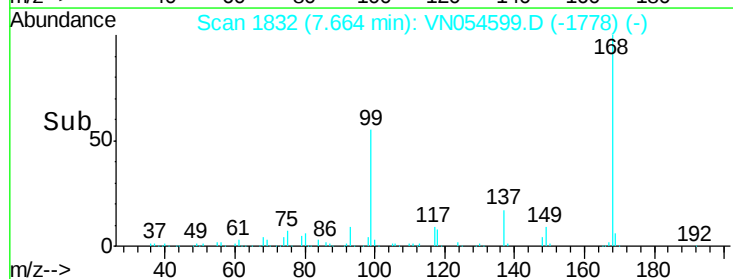
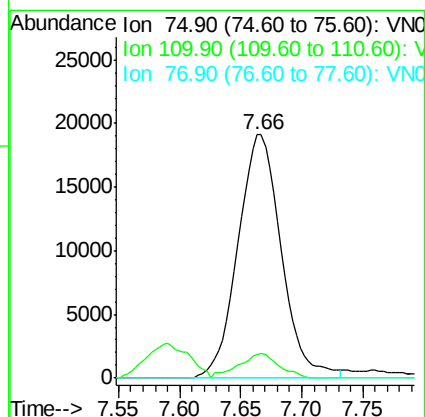
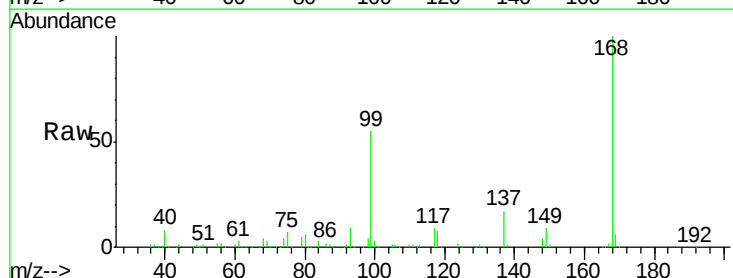
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20190313

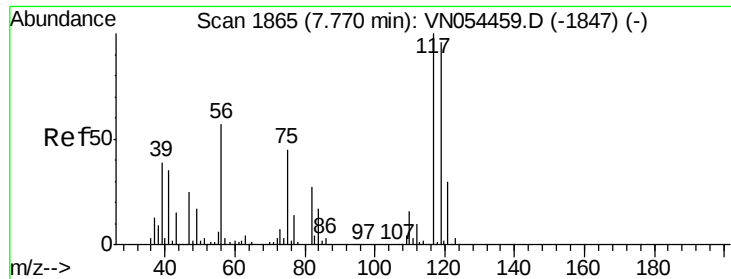
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	20.5	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054599.D
 Acq: 23 Mar 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.421 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

TB-20190313

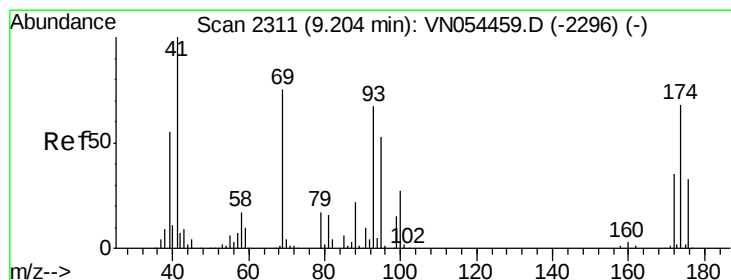
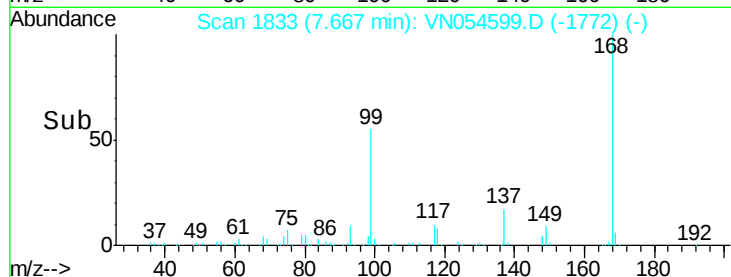
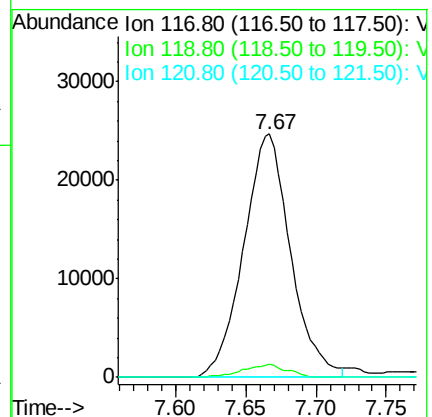
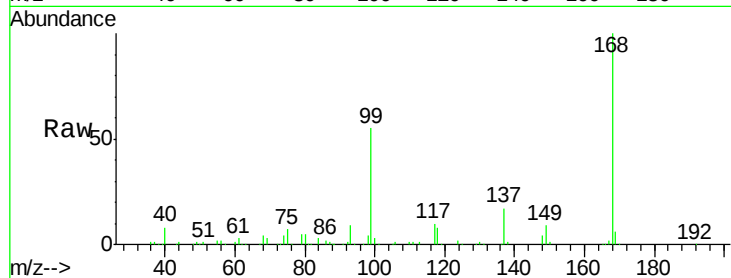
Tot Ion:117 Resp: 57522

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

121 0.0 24.6 36.8#



#49

1,4-Dioxane

Concen: 0.506 ug/l

RT: 9.01 min Scan# 2250

Delta R.T. -0.20 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

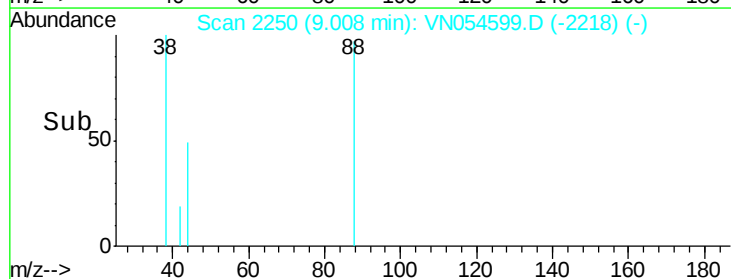
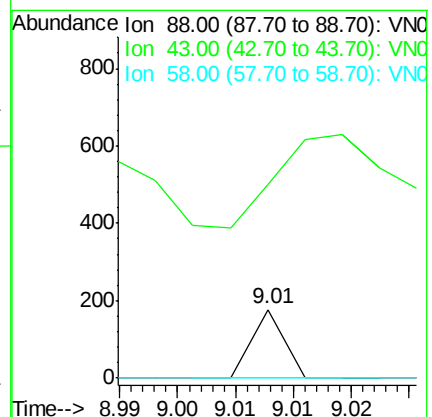
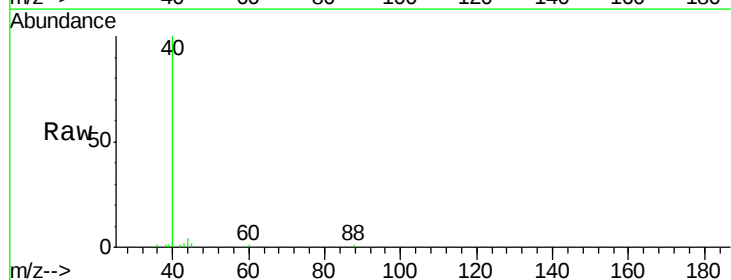
Tgt Ion: 88 Resp: 34

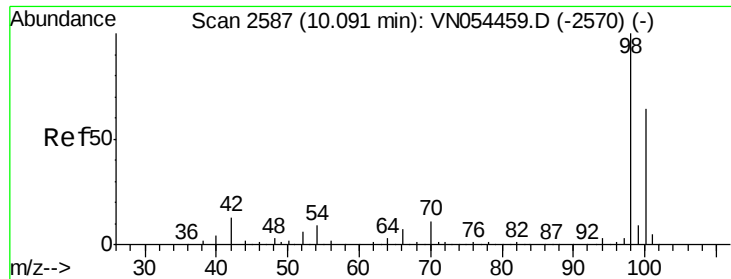
Ion Ratio Lower Upper

88 100

43 476.5 24.1 36.1#

58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 52.659 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

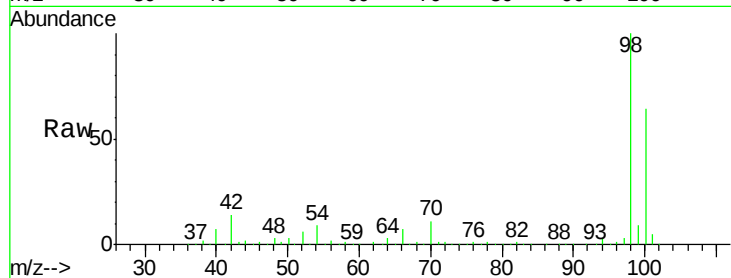
TB-20190313

Tot Ion: 98 Resp: 1257437

Ion Ratio Lower Upper

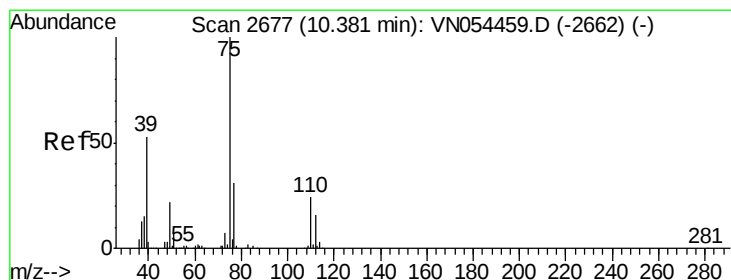
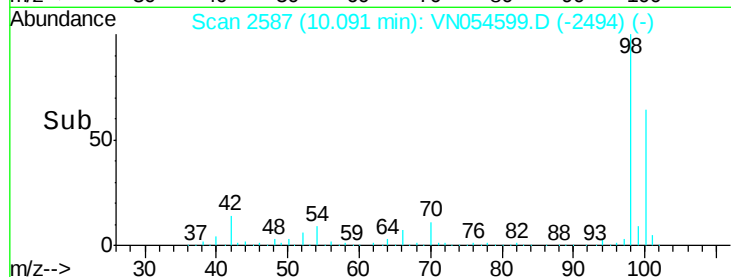
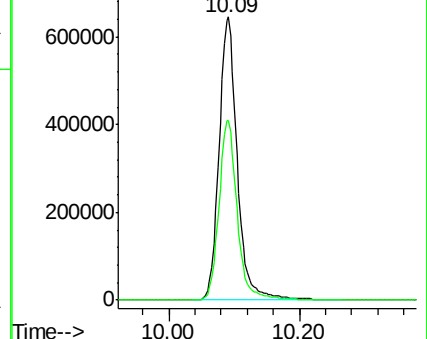
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#53

t-1,3-Dichloropropene

Concen: 2.265 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN054599.D

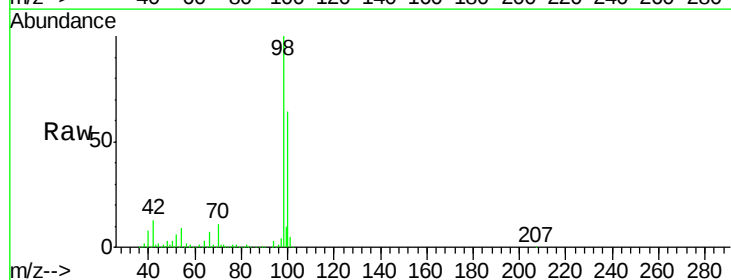
Acq: 23 Mar 2019 12:47

Tgt Ion: 75 Resp: 321

Ion Ratio Lower Upper

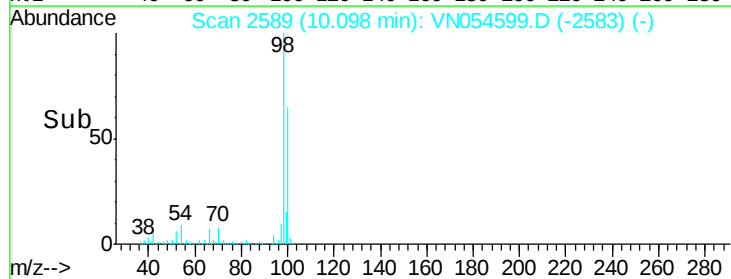
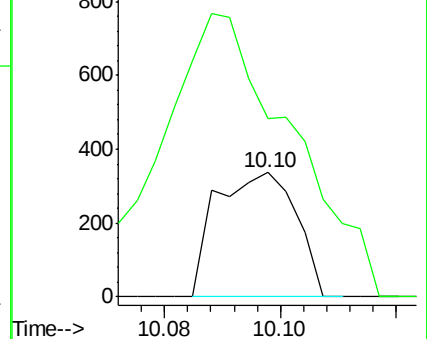
75 100

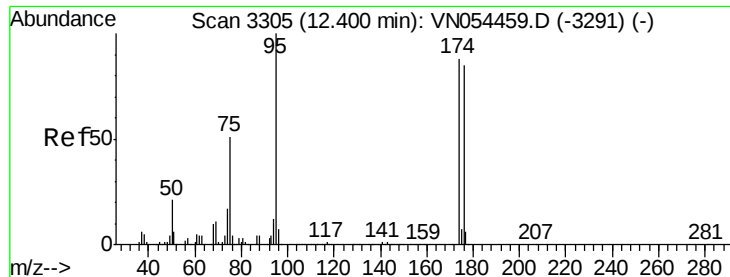
77 84.8 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

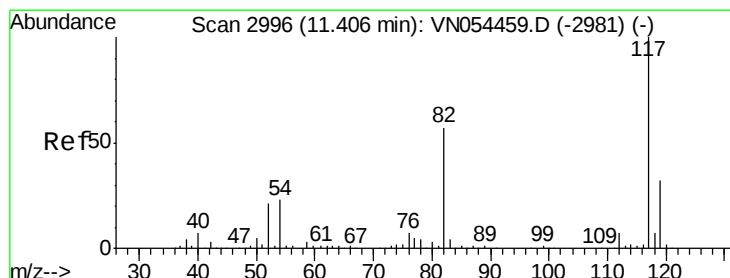
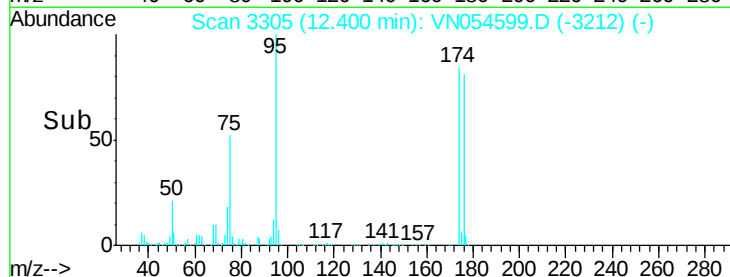
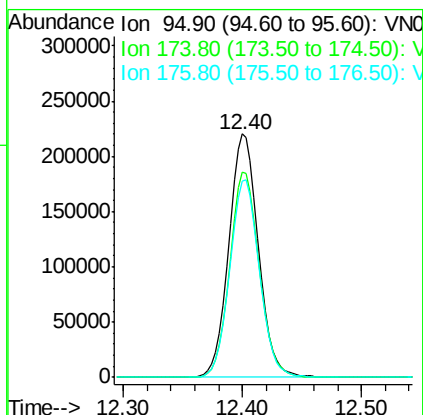
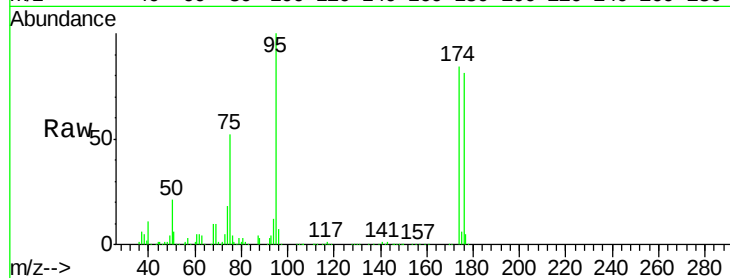




#62
4-Bromofluorobenzene
Concen: 46.542 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054599.D
Acq: 23 Mar 2019 12:47

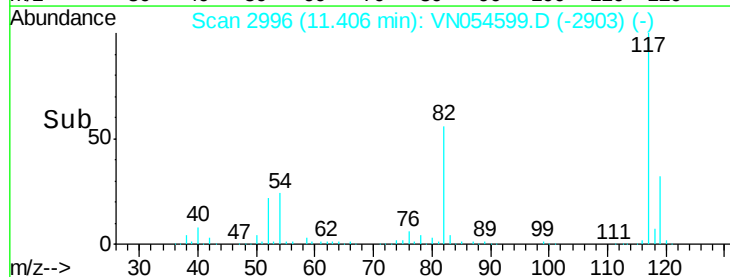
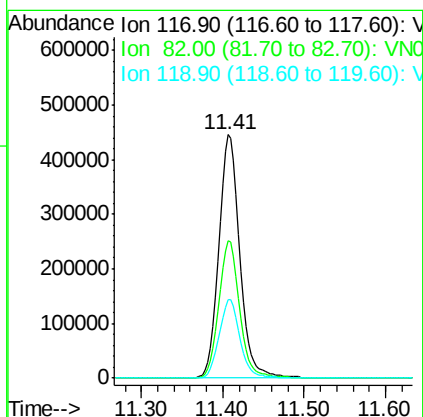
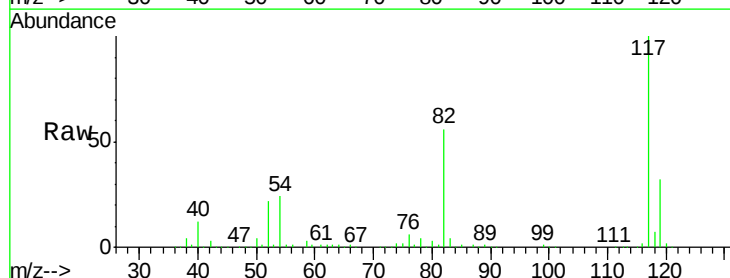
Instrument :
MSVOA_N
ClientSampleId :
TB-20190313

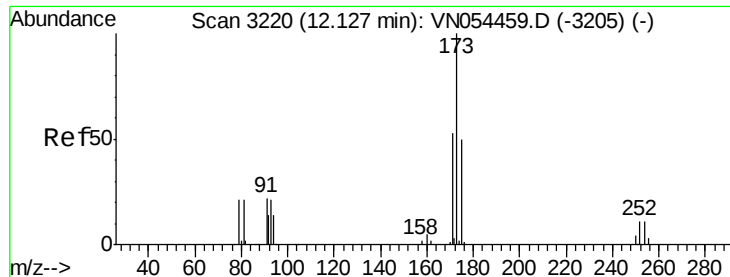
Tot Ion: 95 Resp: 378178
Ion Ratio Lower Upper
95 100
174 84.1 0.0 191.0
176 81.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054599.D
Acq: 23 Mar 2019 12:47

Tgt Ion: 117 Resp: 813478
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 32.1 25.8 38.6





#71

Bromoform

Concen: 2.421 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

TB-20190313

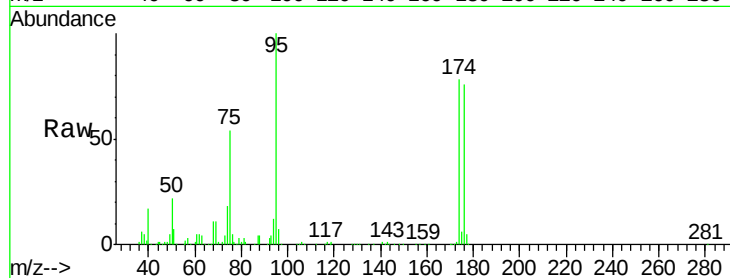
Tot Ion:173 Resp: 858

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

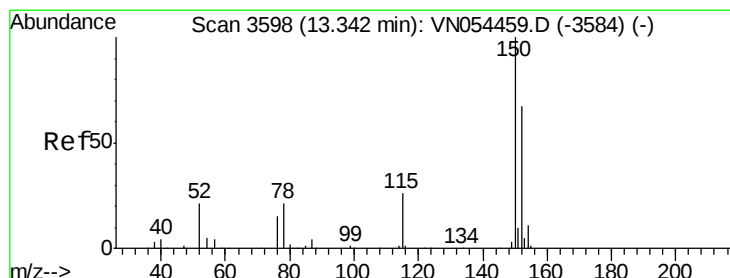
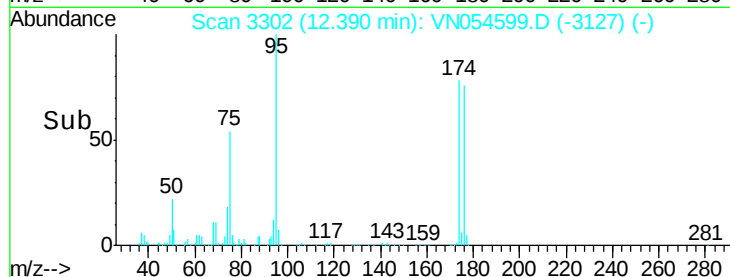
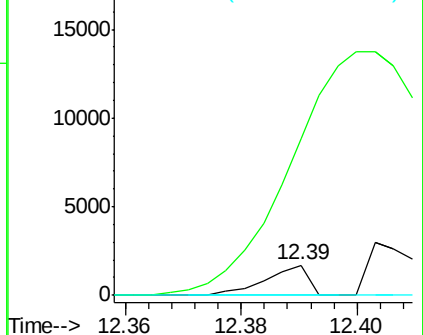
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

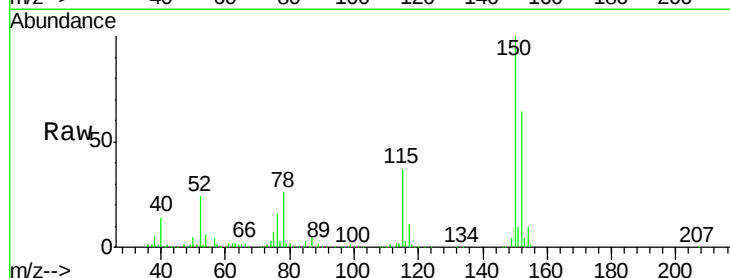
Tgt Ion:152 Resp: 278302

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

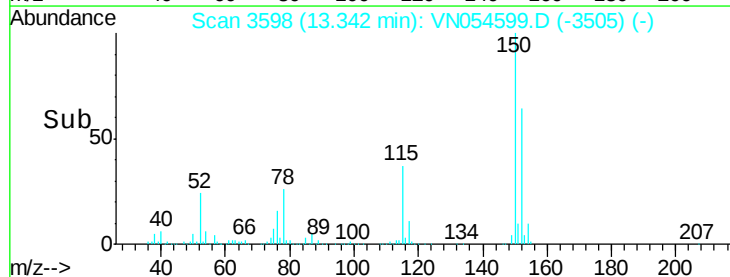
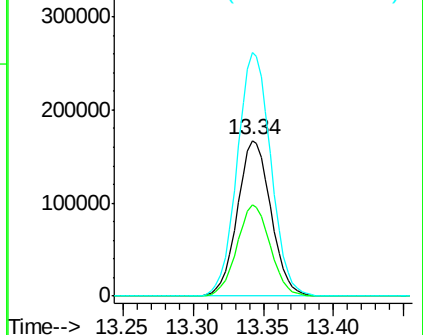
150 158.1 0.0 349.2

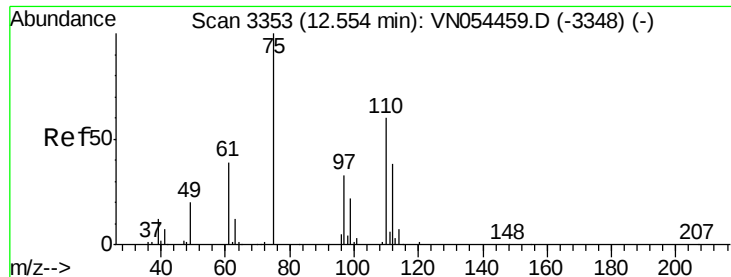


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.233 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

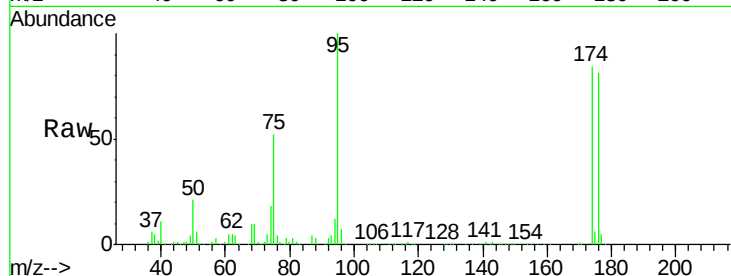
TB-20190313

Tot Ion: 75 Resp: 195344

Ion Ratio Lower Upper

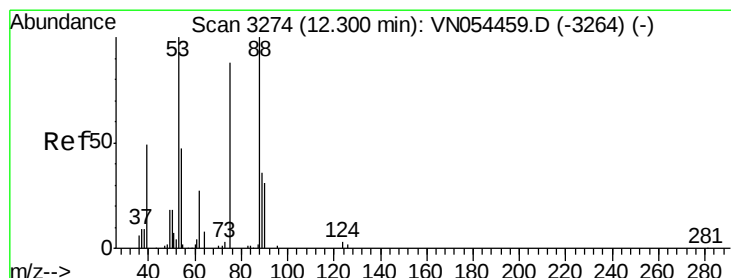
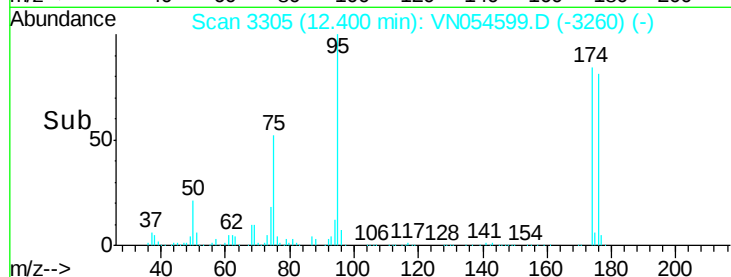
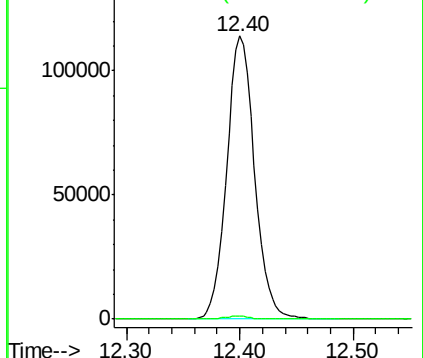
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 145.986 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054599.D

Acq: 23 Mar 2019 12:47

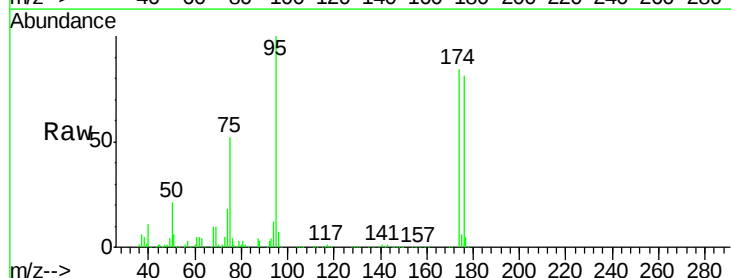
Tgt Ion: 75 Resp: 195344

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

